



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:
A61K 9/00
A1 (11) International Publication Number: WO 00/30608
(43) International Publication Date: 2 June 2000 (02.06.00)

(21) International Application Number: PCT/EP99/09002

(22) International Filing Date: 23 November 1999 (23.11.99)

(30) Priority Data:

MI98A002559 25 November 1998 (25.11.98) IT MI99A001712 30 July 1999 (30.07.99) IT

(71) Applicant (for all designated States except US): CHIESI FAR-MACEUTICI S.P.A. [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LEWIS, David [GB/IT]; Chiesi Farmaceutici S.p.A., Via Palermo, 26/A, I-43100 Parma (IT). GANDERTON, David [GB/IT]; Chiesi Farmaceutici S.p.A., Via Palermo, 26/A, I-43100 Parma (IT). MEAKIN, Brian [GB/IT]; Chiesi Farmaceutici S.p.A., Via Palermo, 26/A, I-43100 Parma (IT). VENTURA, Paolo [IT/IT]; Chiesi Farmaceutici S.p.A., Via Palermo, 26/A, I-43100 Parma (IT). BRAMBILLA, Gaetano [IT/IT]; Chiesi Farmaceutici S.p.A., Via Palermo, 26/A, I-43100 Parma (IT). GARZIA, Raffaella [IT/IT]; Chiesi Farmaceutici S.p.A., Via Palermo, 26/A, I-43100 Parma (IT).

(74) Agent: MINOJA, Fabrizio; Bianchetti Bracco Minoja S.r.l., Via Rossini, 8, I-20122 Milan (IT).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AM, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

## **Published**

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: PRESSURISED METERED DOSE INHALERS (MDI)

(57) Abstract

The invention relates to the use of pressurised metered dose inhalers (MDIs) having part or all of their internal surfaces consisting of stainless steel, anodised aluminium or lined with an inert organic coating; and to compositions to be delivered with said MDIs.